



UPW  
Page of #10  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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Washington, D.C. 20231

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT-IN-REEXAMINATION	ATTORNEY DOCKET NO.
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09/515,369 ✓ 02/29/00

FISHER

0575/56778/J

John P White  
Cooper & Dunham LLP  
1185 Avenue of the Americas  
New York NY 10036

HZ 12/052 JUN - 1 2001

EXAMINER	TECH CENTER
SORBELLO, E	
ART UNIT	PAPER

1633

9  
05/29/01

DATE MAILED:

1m. 6.29.01  
2m. 7.29.01  
3m. 8.29.01  
4m. 9.29.01  
5m. 10.29.01  
6m. 11.29.01

AP

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

The communication filed on [April 2, 2001] is not fully responsive to the Office communication mailed [February 23, 2001] for the reason(s) set forth on the attached Notice to Comply With the Sequence Rules or CRF Diskette Problem Report. Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

Since the reply appears to be bona fide attempt to comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825), applicant is given a TIME PERIOD of ONE (1) MONTH from the mailing date of this communication within which to correct the deficiency so as to comply with the sequence rules (37 CFR 1.821 - 1.825) in order to avoid abandonment of the application under 37 CFR 1.821(g). EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication should be directed to Examiner Eleanor Sorbello, Art Unit 1633, whose telephone number is (703) 308-6043. If the examiner cannot be reached, inquiries can be directed to Supervisory Patent Examiner Deborah Clark whose telephone number is (703) 305-4051. The fax number for the organization where this application or proceeding is assigned is (703) 308-4242.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

*Deborah Clark*  
DEBORAH J. R. CLARK  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 1600

RECEIVED

JUN 21 2001

TECH CENTER 1600/2900

## Notice to Comply

Application No.

09/515,369

Applicant(s)

Examiner

Art Unit

1633

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS  
CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE  
DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☒ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other:

**Applicant Must Provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

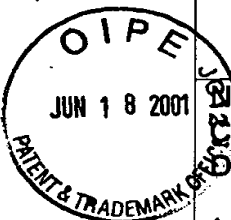
For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

**PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY**



or better

## RAW SEQUENCE LISTING ERROR REPORT



BIOTECHNOLOGY  
SYSTEMS  
BRANCH



#8/308  
5/3/01

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/515,369

Source:

1633

Date Processed by STIC:

4/22/2001

RECEIVED

MAY - 1 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25. Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>



## Raw Sequence Listing Error Summary

**ERROR DETECTED SUGGESTED CORRECTION**

SERIAL NUMBER: 09/515,369

**ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE**

- 1        Wrapped Nucleics      The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2        Wrapped Aminos      The amino acid number/text at the end of each line "wrapped " down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3        Incorrect Line Length      The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4        Misaligned Amino Acid      The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs  
Numbering      between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5        Non-ASCII      This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6        Variable Length      Sequence(s)        contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and  
indicate in the (ix) feature section that some may be missing.
- 7        PatentIn ver. 2.0 "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid  
sequence(s)       . Normally, PatentIn would automatically generate this section from the  
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section  
to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223>  
sections for Artificial or Unknown sequences.
- 8        Skipped Sequences      Sequence(s)        missing. If intentional, please use the following format for each skipped sequence:  
(OLD RULES)      (2) INFORMATION FOR SEQ ID NO:X:  
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:  
This sequence is intentionally skipped  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9        Skipped Sequences      Sequence(s)        missing. If intentional, please use the following format for each skipped sequence.  
(NEW RULES)      <210> sequence id number  
<400> sequence id number  
000
- 10        Use of n's or Xaa's      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11        Use of "Artificial"      Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules.  
(NEW RULES)      Valid response is Artificial Sequence.
- 12        Use of <220>Feature      Sequence(s) 2-13 are missing the <220>Feature and associated headings.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial Sequence" or "Unknown"  
Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13        PatentIn ver. 2.0 "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted  
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).  
Instead, please use "File Manager" or any other means to copy file to floppy disk.



1633

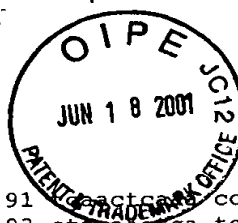
RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/515,369

DATE: 04/22/2001  
TIME: 14:17:03

Input Set : A:\56778.txt  
Output Set: N:\CRF3\04222001\I515369.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: Fisher, Paul  
4 Madireddi, Malavi  
6 <120> TITLE OF INVENTION: MELANOMA DIFFERENTIATION ASSOCIATED GENE-7 PROMOTER AND USES THEREOF  
8 <130> FILE REFERENCE: 0575/56778/JPW/APE  
10 <140> CURRENT APPLICATION NUMBER: 09/515,369  
11 <141> CURRENT FILING DATE: 2000-02-29  
13 <160> NUMBER OF SEQ ID NOS: 13  
15 <170> SOFTWARE: PatentIn version 3.0  
17 <210> SEQ ID NO: 1  
18 <211> LENGTH: 2286  
19 <212> TYPE: DNA  
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27 ctcttgacc ttcttctga agtaataatg ctatgataag ctcatcgag gctgaggccc 180  
29 aggcacatgt ttgcctgaac tatccatgtt atatgattcc ttccctcagac agagtgcct 240  
31 actcacgac ccaggtgtac cctgaggcca gccaaaggtg atccatgacc tcatgcctct 300  
33 gttccagcct gccctttaac agctcatccc acctgcctgc cctccccgcc tatctgcaga 360  
35 cagtagtcta ggatttcagc tgccctgggg gctcattttc cctctcagct tctgtctta 420  
37 gctgtctcct gccctccact cactatttac tccagcactc tcacctggtc ttcttttctg 480  
39 tctcatcact gcctcttgac atctttatct catagtagtt agttagggtt tcttggtaat 540  
41 gccctaaatc cacatggttg gaagggggga gtgggggaag agagtgcgct gtggggctgt 600  
43 gcctacttct ggagggtaag actcggggcc tccaggaaca aaggattcag gctgggtggca 660  
45 gctatagcca agcagactgc tggccaggga ttgcaaagga gtattttgtt tgcttaagaa 720  
47 aataacaac actgagtatg agatggaggg aggggggtgt ggtgccagag agattgggaa 780  
49 gagtctgcca aggtgtgtt ctactcactc tctcttttc ttctatctcc actgagctgg 840  
51 aggcagttat cctgtccccc acgtcacatt cctactcccg ttcccatgc ctggaccag 900  
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57 atgtcaacaa acatatgtga ccccatgaaa actttattta ttatggatac ggaaacctga 1080  
59 aaataatgtc tttcttttga ttttttcccc aatcattaaa aaacgtaaaa actactctta 1140  
61 ggtcgcaagg ttaagccatt ctgagcttag cagtggcagg ctggatttgg cttgtgacct 1200  
63 acagttggcc aatccctgat tcccaaatg tatctctcag ggatgtgggc aaatacttat 1260  
65 gggagtgct ggattaaaca gatttaagaa gcatcagaca ttccaggac gggctagcac 1320  
67 atgccagggc tctctaactg acctcattgg attcatctgt tcoatggag atcttgcaag 1380  
69 acaagaattc ctcaaaccta gactctgagg actgtgcttt gggaaacact gctctgcttg 1440  
71 atgccctcac tgggcatatg gtagaattca gagctgagtg ccttgctagc tggagatagg 1500  
73 gtcagagctc ttgactgccc tggcagtctt gacacatcac gctgtctgtg tcccctgagt 1560  
75 ggttcagagc cacacaggcc aagactagcc caccagagca ccaggcctcc cagctttctg 1620  
77 gcttggtcca tgcgtacatt tcttattct tectggttc cagaacctaa ggagaggcac 1680  
79 attttggttg agtgattata accctaggga ccatgggtag ctgcatgtca ggaaacactc 1740  
81 ctcaacttcc tggccctgat ggattaaagg agaggtactt acaggttatt tcttgcctgt 1800  
83 ggactactgt cccagcatga atagggcatc attattgaat tattttgaca ggaaggagac 1860  
85 tgggtgatgc tgcacagtaa taatgtattt acatgtgtac agagtttacc aagcacctct 1920  
87 gctgtgtttt tgccctttgt tattacactt gggacaaatt tttaaaattt atacatgcag 1980  
89 agactgcagc gcagagaagc taagagactt gccctgccc acacagccag tggtagagcc 2040



RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/515,369

DATE: 04/22/2001  
TIME: 14:17:03

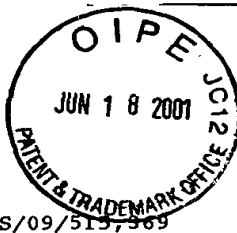
Input Set : A:\56778.txt  
Output Set: N:\CRF3\04222001\I515369.raw

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93 ctttccgtga tgggtgacta ggcaatgaag taattctcta ggaaagcatg accaatttcc 2160  
95 ctttctccac ctccctcttt ttctccacc cctcccccac cagcccccac atatatgcc 2220  
97 aaatctccac aaagccttgc ttgctgcaa acctttactt ctgaaatgac ttccacgct 2280  
99 gggacg 2286

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> 105 <213> ORGANISM: Artificial  
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> 107 <223> OTHER INFORMATION:  
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108 cgtccacagcc gtggaagtca t 21  
111 <210> SEQ ID NO: 3  
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> 114 <213> ORGANISM: Artificial  
> 116 <220> FEATURE:  
> 116 <223> OTHER INFORMATION:  
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117 aggctggatt tggcttgtga c 21  
120 <210> SEQ ID NO: 4  
121 <211> LENGTH: 21  
122 <212> TYPE: DNA  
> 123 <213> ORGANISM: Artificial  
> 125 <220> FEATURE:  
> 125 <223> OTHER INFORMATION:  
125 <400> SEQUENCE: 4  
126 ctgtttaatc cagcacttcc c 21  
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> 132 <213> ORGANISM: Artificial  
> 134 <220> FEATURE:  
> 134 <223> OTHER INFORMATION:  
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135 cgcttgatga ctcagccgga a 21  
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> 141 <213> ORGANISM: Artificial  
> 143 <220> FEATURE:  
> 143 <223> OTHER INFORMATION:  
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147 <210> SEQ ID NO: 7  
148 <211> LENGTH: 21  
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> 150 <213> ORGANISM: Artificial

(global errors)

see item 11 on Eva Summary Sheet  
see item 12 on Eva Summary Sheet



## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/515,369

DATE: 04/22/2001

TIME: 14:17:03

Input Set : A:\56778.txt

Output Set: N:\CRF3\04222001\I515369.raw

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> 161 <220> FEATURE:  
> 161 <223> OTHER INFORMATION:  
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> 170 <220> FEATURE:  
> 170 <223> OTHER INFORMATION:  
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173 u 61  
176 <210> SEQ ID NO: 10  
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> 179 <213> ORGANISM: Artificial  
> 181 <220> FEATURE:  
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> 190 <220> FEATURE:  
> 190 <223> OTHER INFORMATION:  
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> 199 <220> FEATURE:  
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205 <212> TYPE: DNA  
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## RAW SEQUENCE LISTING

DATE: 04/22/2001

PATENT APPLICATION: US/09/515,369

TIME: 14:17:03

Input Set : A:\56778.txt

Output Set: N:\CRF3\04222001\I515369.raw

&gt; 208 &lt;220&gt; FEATURE:

&gt; 208 &lt;223&gt; OTHER INFORMATION:

208 &lt;400&gt; SEQUENCE: 13

209 guuuuuuuuu uuuuuuuuuu gauggauucu cagauuuuuu uuuuuuuuuu uuauuu

56





VERIFICATION SUMMARY  
PATENT APPLICATION: US 1515369

DATE: 04/22/2001  
TIME: 14:17:04

Input Set : A:\56778.txt  
Output Set: N:\CRF3\04222001\I515369.raw

105 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
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107 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
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116 M:258 W: Mandatory Feature missing, <220> FEATURE:  
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161 M:258 W: Mandatory Feature missing, <220> FEATURE:  
161 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
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170 M:258 W: Mandatory Feature missing, <220> FEATURE:  
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208 M:258 W: Mandatory Feature missing, <220> FEATURE:  
208 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: